

# OCTAVIUS V. CATTO SCHOOL

## Brownfield Redevelopment/Site Investigation



**KEATING  
ENVIRONMENTAL  
MANAGEMENT, INC.**

Environmental,  
Energy &  
Sustainability  
Solutions

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### **Client**

Camden Redevelopment Agency

### **Project Location**

Camden, NJ

### **Elements of the Project**

- Remedial Investigation and Work Plan
- Engineering and Institutional Controls
- Hazardous Materials Management
- Building Decontamination
- Environmental Site Investigation
- Brownfields

**KEM** assisted the Camden Redevelopment Agency in a high-visibility, multi-year project involving the redevelopment of a blighted apartment complex into a community recreational facility; the construction of a new 120,000 square foot elementary school and adjacent Boys & Girls Club; and the creation of a Greenway connector. In total the project created a sustainable and connected community with more than twice as much parkland than previously existed. The apartment complex had

been constructed on property impacted by heavy metals and by hazardous waste discharged from an adjacent industrial facility. The project involved the assessment and remediation of soil and ground water contamination, the decontamination of on-site buildings prior to demolition and the development and execution of a remedial approach that minimized project costs while being protective of public health and the environment.



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### Tasks KEM completed include:

- The preparation of a Preliminary Assessment/Site Investigation for the 12 parcels comprising the 14-acre project site.
- The development and completion of a multi-phase Remedial Investigation to delineate the extent of hazardous waste deposited in a subsequently backfilled pond, and to determine impacts resulting from leaking drums buried along the adjacent property boundary of a former industrial manufacturing facility and from impacted fill deposited on the site.
- The characterization and delineation of ground water impact to perched water in the former pond and to the underlying unconfined aquifer.
- The assessment and abatement of all asbestos from on-site buildings prior to their demolition.
- The preparation of remedial cost estimates and schedules.
- The development and implementation of a Remedial Action Work Plan that included, the excavation of hazardous waste from a former pond disposal area, followed by on-site stabilization to render the waste non-hazardous prior to off-site disposal. The excavation of the former pond required dewatering and treatment of the perched water to NJ ground water quality standards prior to on-site infiltration, and the construction of a shoring wall to protect adjacent housing.
- The on-site management of historic fill.
- The establishment of a ground water Classification Exception Area (CEA) and the implementation of a deed notice.

- The implementation of a community involvement program to provide accurate information and progress reports to surrounding residents.
- The negotiation of a temporary suspension of a Conservation Restrictions Area to permit the remediation of hazardous waste on an adjacent parcel.



Before



After



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